

## ASTD/TDI Project Static Report

### *An Alternative Cover and Monitoring System for Landfills in Arid Environments*

|                                |                                    |  |
|--------------------------------|------------------------------------|--|
| <b>Focus Area:</b>             | Subsurface Contaminants Focus Area | <b>Focus Area Manager:</b> Carl Lanigan, (803) 725-0404    |
| <b>TTP No.:</b>                | NV09SS21                           | <b>Principal Investigator:</b> Kevin Leary, (702) 295-0184 |
| <b>Lead Site:</b>              | Nevada                             |  |
| <b>Project No.:</b>            | 99-ASTD-32                         | <b>Technology Vendor(s)/Commercial Partner(s):</b>         |
| <b>Tech ID/TMS No.:</b>        |                                    | None identified at this time                               |
| <b>Related Publication(s):</b> | None                               |  |

**Web Page(s):**

**Description:** This technology is an evapotranspiration cover combined with an integrated fiber-optic performance monitoring system for use at RCRA-regulated landfill facilities in arid environments where desiccation cracking of the cover is a regulatory concern.

**Application:** RCRA-regulated landfill facilities in arid environments where desiccation cracking potential is high.

**Location(s):** Nevada Test Site

**Technology(ies):**

Monitoring Instrumentation System

Monolayer Evapotranspiration Cover

|                         | <b>Funding (\$K):</b> | <b><u>FY-98</u></b> | <b><u>FY-99</u></b> | <b><u>FY-00</u></b> | <b><u>FY-01</u></b>         | <b><u>Total</u></b> |
|-------------------------|-----------------------|---------------------|---------------------|---------------------|-----------------------------|---------------------|
| <b>TTP No.:</b>         | NV09SS21              | \$0                 | \$50                | \$658               | \$168                       | \$876               |
| <b>Leverage Source:</b> | EM-30                 |                     |                     |                     |                             | \$1,759             |
|                         |                       |                     |                     |                     |                             | \$2,635             |
|                         |                       |                     |                     |                     | <b>Funding Total (\$K):</b> | \$2,635             |

|                            |                        |                                   |   |
|----------------------------|------------------------|-----------------------------------|---|
| <b>Cost Savings (\$M):</b> | <b><u>Proposal</u></b> | <b><u>Deployment Plan/TTP</u></b> | <b><u>Current Focus Area Projection</u></b> |
|                            | Pending                | Pending                           | \$9,300                                     |